

Box 1153, Chico, Cal
Jan. 14, 1918

Mr. J. M. Johnston,
Upland, California

Dear Sir:

Your package of lupines received several days ago but I have not made much headway with them yet, merely confirming your determinations

1491. Lupinus Grayi Wats. A smaller more compact plant than our northern typical plant, but not referable to any other species.

1488. Lupinus formosus Greene. So far as I can see this is good L. formosus, agreeing very well with my own 8514 from Santa Clara County. One should not expect to find this species at such an elevation and in such a location. In its native region it is near a woodland species and does not occur at any great elevation.

1626. Lupinus Pendletoni Heller, Muhlenbergia 2: 295: 1907. ?

I have not yet had time to properly verify this but your plant could be referred here very easily.

1627. This is apparently the same as 1626, and I should not refer it to L. formosus. It has smaller flowers and a different pubescence.

1444. This I had expected to refer to L. hyacinthinus Greene Leaflets 2: 85. 1910, but it does not altogether agree, and I have no

specimen for comparison.

I shall study these specimens later at the first opportunity, and may be able to give a more definite opinion about them.

Very truly yours

A. A. Heller